

Jeremy Yuang Fan

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EDUCATION

University of Wisconsin-Madison
Master of Information Science

Sept 2022 – Dec 2023
GPA:3.92/4.0

The Chinese University of Hong Kong
Bachelor of Engineering: Financial Technology

Sept 2018 – Jul 2022
Second upper class honor

SKILLS

- Computing Skills: **Java**, **MongoDB**, **node.js**, **React**, **Axure**, **Python**, **Flask**, **Express**, **Next.js**, **HTML**, **CSS**

EXPERIENCE

The Chinese University of Hong Kong Shenzhen Research Institute
Research Assistant

Apr 2023 – Present

Tech stack: Next.js, Tailwind CSS, Node.js (Express framework), and MongoDB Atlas (Mongoose framework)

- Developing a visually engaging website for stock prediction recommendations. link: <https://alfa-cuhk.vercel.app/>
- Created a user-friendly frontend with **Next.js**, **Tailwind CSS**, and global state management through **Context API**. Backend work involved **Node.js**, **Express**, and **MongoDB Atlas** for APIs, user authentication and data storage.
- Utilized **Chart.js** and **Echarts** libraries to create various stock-related charts.
- Deployed** the frontend project on **Vercel** and the backend project on **Render**, establishing a **CI/CD** workflow.

International Business Machines Corporation(IBM)

Jun 2022 – Jul 2022

Developer

Tech stack: Java & MDX(similar to SQL)

- Employed **MDX** queries within the **easyBI** platform to dissect and visualize **Jira** data pertinent to project management. Demonstrated the team's historical contributions and our adeptness in fulfilling development requisites.
- Formulated **MDX** queries to produce a diverse range of graphs, including trend analyses and bar charts. These visuals effectively conveyed project insights and trends to the team.
- Assumed responsibility for comprehending and upholding system documentation and code, thereby ensuring its longevity and continuous evolution.

IpsierLab

Nov 2022 – Apr 2023

Software Engineer Intern

Tech stack: React.js, Node.js

- Crawl university-related information and university-related start-up information from diverse online sources.
- Design the **wireframe** of the dashboard and develop the dashboard with **React**

Solacetreecounselling Limited

Nov 2021 – Jan 2022

Software Programming Intern

Tech stack: Expo(React Native)

- Transformed an H5 project into an Android app by making modifications within the node modules.
- Collaborated with the backend team to coordinate and implement calls to backend interfaces.
- Executed customized modifications on the company's official website developed by WIX.

Zhejiang University & York University

Jul 2021 – Nov 2021&Jul 2022 - Oct 2022

Business School Research Assistant

Tech stack: Node.js, Express

- Crawl and extract data and game-related information from gamespot.com and metacritic.com.
- Conducted comprehensive data analysis to gain insights into user behaviors concerning review postings.

Burtaka Technology(Shenzhen) Co, Ltd.

Apr 2021 – Jul 2021

Full-stack Engineer Intern

Tech stack: Taro(React native)+Node.js(Express framework)+MongoDB(Mongoose framework)

- Used Taro framework to develop a WeChat mini program for word memorizing
- Utilizing the **SuperAgent** library, conducted **web scraping** of Youdao Dictionary, followed by parsing the retrieved HTML using the **Cheerio** library and save the audio pronunciations files.
- Employed **CSS @keyframes** to craft many animation effects, while utilizing **functional components and hooks**.
- Developed a range of backend **API** using **Node.js** and the **Express** framework, facilitating interaction with the frontend.
- Integrated Baidu's image recognition **API** to identify vocabulary from images uploaded by users.
- Incorporated the **node-schedule module** to ensure user words were periodically pushed to their word bank.
- Employed the **aaPanel** for backend **maintenance** and **deployment**, ensuring the application's stability and availability.